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List of the North American species of the Genus ALEIODES, Wesmael.

BY E. T. CRESSON.

The following table will assist in determining the species.

Wings fuliginous:

Black; metathorax and abdomen ferruginous:

Legs black, posterior coxæ ferruginous.....1. **texanus.**

Legs black, posterior coxæ and base of femora ferruginous...2. **fumipennis.**

Yellow; head, collar, antennæ and legs black.....3. **mexicanus.**

Wings fasciate with blackish:

Whitish; head dusky; mesothorax, tips of posterior femora and tibiæ and apex of abdomen more or less tinged with honey-yellow...4. **fascipennis.**

Yellow; head, antennæ and apical half of four hinder legs black.....5. **pedalis.**

Wings yellow, apex fuscous; body pale honey-yellow; antennæ, apical half of posterior tibiæ and whole of their tarsi black.....6. **flavidus.**

Wings hyaline:

Red, or yellow, and black species:

Black; four anterior legs, posterior coxæ, trochanters and femora, except tips, and two basal segments of abdomen ferruginous; antennæ fuscous, posterior tibiæ with a whitish annulus at base.....7. **terminalis.**

Black; legs and abdomen ferruginous, apex of latter generally more or less blackish.....8. **abdominalis.**

Black; legs and three basal segments of abdomen ferruginous; apex of abdomen black, covered with a dense changeable silvery pile.....9. **lectus.**

Ferruginous; head, metathorax, apex of abdomen, and tips of posterior femora and tibiæ black.....10. **parasiticus.**

Ferruginous; head and antennæ black.....11. **atriceps.**

Yellowish, varied with fusco-ferruginous; metathorax, part of pleura, first abdominal segment, except tip, and sides of second and third segments, black.....12. **intermedius.**

Dull luteous; head above, collar, spot beneath wings, mesothorax, metathorax, first abdominal segment, except tip, and broad lateral margin of second and third segments, black.....13. **canadensis.**

Yellowish-white; spot covering scutellums and base of metathorax, spot beneath wings and a large mark on abdomen above, covering second, third and apex of first segments, black; wings with a faint fuscous cloud about the middle, stigma large, black.....14. **discoideus.**

Yellowish-white; collar, three lines on mesothorax, large transverse mark on metathorax, large spot on pleura, base of posterior coxæ, tips of their femora, tips of all the tarsi, and abdomen above, except large whitish spot at base of second segment, black.....15. **ornatus.**

Ferruginous, or honey-yellow species:

Dull ferruginous; thorax more or less stained with fuscous: antennæ of both sexes fuscous or black; whole of third abdominal segment aciculate; eyes short, ovate, scarcely emarginate within.....16. **fulvus.**

Dull honey-yellow, more or less varied with fuscous; whole of third and fourth abdominal segments above aciculate: eyes short, almost circular, not emarginate.....17. **aciculatus.**

Dull ferruginous; thorax sometimes varied with fuscous; antennæ of ♀ pale honey-yellow, of ♂ black, with a broad yellowish annulus; base only of third abdominal segment aciculate; eyes as in *fulvus*..18. **burrus.**

Bright ferruginous; antennæ dusky; third abdominal segment not aciculate; eyes elongate, distinctly emarginate within.....19. **Rileyi.**
Luteous; abdomen above tinged with fulvous; most of posterior femora blackish; eyes large, ovate, black.....20. **femoratus.**
Entirely pale honey-yellow; form long and slender; eyes large, ovate, black.....21. **melleus.**
Pale yellow; head fuscous above; eyes very large and prominent; basal third of antennæ black; abdomen subpetiolate.....22. **fasciceps.**

1. **Aleiodes texanus**, n. sp.

♀.—Black; antennæ fuscous; metathorax, hind coxæ, and abdomen ferruginous; wings uniformly fuliginous; metathorax rugose, with short pale pubescence; two basal segments of abdomen opaque, coarsely rugose, with the central longitudinal carina entire and well defined; second segment longitudinally rugose; remaining segments shining, finely sculptured. Length 4 lines.

Hab.—Texas. E. T. Cresson.

Where not otherwise mentioned, the 2nd cubital cell is subquadrate.

2. **Aleiodes fumipennis**, n. sp.

♀.—Black, shining; antennæ blackish; metathorax, hind coxæ, basal half of their femora, and the abdomen ferruginous; wings uniformly fuliginous; metathorax finely punctured and sparsely pubescent; abdomen with a short, sparse, pale pubescence; two basal segments subopaque, longitudinally rugose, the central carina entire; remaining segments shining, finely sculptured. Length 4 lines.

Hab.—Illinois. Dr. Samuel Lewis.

3. **Aleiodes mexicanus**, n. sp.

♂.—Elongate, yellow; head, antennæ, collar, and legs, including coxæ, black; wings uniformly fuliginous; metathorax rugose; two basal segments of abdomen opaque, longitudinally rugose, with prominent lateral and central carinæ; apex polished. Length 4½ lines.

Hab.—Mexico. Prof. Sumichrast.

4. **Aleiodes fascipennis**, n. sp.

♀.—Pale luteous, almost whitish; back of head and base of flagellum pale fuscous; antennæ very long and slender; thorax above darker yellow; wings pale yellowish-hyaline, iridescent, nervures luteous, stigma black, except base and apex, a band beneath stigma and a cloud between it and base of wing, fuliginous; second cubital cell about twice longer than broad; legs very pale, apex of posterior femora darker yellow; third, fourth and fifth abdominal segments above fulvous, remainder very pale luteous; two basal segments flat, longitudinally aciculate. Length 3½ lines.

Hab.—Mexico. Prof. Sumichrast.

5. Aleiodes pedalis, n. sp.

♀.—Pale yellow or luteous; head, antennæ, four posterior tibiæ except base, and their tarsi, black; wings yellow-hyaline, nervures luteous, the apex and a faint cloud beneath stigma fuliginous; metathorax subrugose; abdomen finely sculptured, the two basal segments hairy, the central and lateral carinæ sharply defined. Length 4¾ lines.

Hab.—Mexico. Prof. Sumichrast.

6. Aleiodes flavidus.

Rogas flavidus, Cresson, Proc. Ent. Soc. Phil. 1865. p. 83. ♂.

Hab.—Cuba. Prof. Poey.

7. Aleiodes terminalis, n. sp.

♂ ♀.—Black, shining; mandibles, palpi, antennæ except extreme base, and tegulæ, brown; thorax finely sculptured; metathorax rugose, clothed with pale pubescence, and with a well defined central carina; wings hyaline, iridescent, nervures testaceous, stigma brown; legs honey-yellow or ferruginous, tips of posterior femora, their tibiæ, except a more or less broad whitish annulus near base, and their tarsi black; abdomen sparsely pubescent; two basal segments honey-yellow or ferruginous, longitudnially rugose, with central carina entire and well defined; remaining segments black, smooth, shining. Length 3—4 lines.

Hab.—Eastern, Middle, Southern and Western States. Common.

8. Aleiodes abdominalis, n. sp.

♀.—Black, shining, sparsely pubescent; clypeus, mandibles, palpi and antennæ, rufo-testaceous; tegulæ pale luteous; metathorax rugose; wings hyaline, iridescent, nervures fuscous; legs and abdomen honey-yellow or ferruginous, tibiæ and tarsi sometimes yellow; apical joint of tarsi black; two basal segments of abdomen opaque, longitudinally rugose, central and lateral carinæ sharply defined; base of third segment aciculate, remainder smooth and shining; sometimes the two or three apical segments are more or less blackish. Length 4 lines.

Hab.—Eastern and Middle States.

9. Aleiodes lectus, n. sp.

♂.—Differs from *abdominalis* by the fourth and following segments of abdomen being black and densely clothed with a beautiful silvery sericeous pile; in one specimen most of the basal segment is black. Length 3½—4 lines.

Hab.—Illinois. This may be the ♂ of *abdominalis.*

10. Aleiodes parasiticus.

Aleiodes parasiticus, Norton, Trans. Am. Ent. Soc. ii, p. 327, ♂ ♀.

Hab.—Eastern, Middle and Western States. This is parasitic upon *Lophyrus abietis,* Leach.

11. **Aleiodes atriceps**, n. sp.

♀.—Honey-yellow, subopaque; head and antennæ black; palpi fuscous; mandibles honey-yellow; tips of tarsi dusky; wings hyaline, iridescent, nervures fuscous, stigma yellow; metathorax rugulose; first, second and base of third segment of abdomen longitudinally aciculate, remainder smooth and shining. Length 3½ lines.

Hab.—Mexico. Prof. Sumichrast.

12. **Aleiodes intermedius**, n. sp.

♂ ♀.—Small, slender, luteous or dull honey-yellow; spot on vertex about ocelli, metathorax, patch beneath wings, and most of first abdominal segment, black or fuscous; metathorax finely sculptured, with sharply defined central carina; wings hyaline, iridescent, nervures fuscous, stigma whitish, varied with fuscous; first, second, and third (except tip) abdominal segments finely longitudinally aciculate. Length 2—2½ lines.

Hab.—Eastern, Middle, Southern and Western States. Sometimes the blackish markings of thorax and abdomen are entirely wanting.

13. **Aleiodes canadensis**, n. sp.

♀.—Blackish-fuscous, opaque; face, mouth, palpi and orbits, dull rufo-testaceous; antennæ fuscous; middle lobe of mesothorax, scutellum, most of pleura, spot on each extreme side of metathorax (sometimes wanting), legs, except tibiæ and tarsi, and the abdomen beneath, rufo-testaceous; tibiæ and tarsi, semicircular spot at tip of first abdominal segment, and the second and third segments except sides, luteous; apical segment pale fuscous; wings ample, hyaline, iridescent, nervures fuscous, stigma whitish varied with fuscous; metathorax and abdomen finely sculptured. Length 3 lines.

Hab.—Canada. Pettit and Couper.

14. **Aleiodes discoideus**, n. sp.

♀.—Pale luteous, head and thorax above tinged with honey-yellow; spot within ocelli, scutellum, spot on pleura, another on side of metathorax and a large discoidal patch on abdomen above, occupying apex of first, and the whole of second and third segments, except lateral margins, black; wings pale yellowish-hyaline, iridescent, finely pubescent; stigma large, black, with a large fuliginous cloud beneath, occupying the middle third of the wing; these basal segments of abdomen finely, longitudinally rugose. Length 2 lines.

Hab.—Illinois. Dr. Samuel Lewis.

15. **Aleiodes ornatus**, n. sp.

♀.—(Head wanting); pale luteous; most of prothorax, three longitudinal marks on mesothorax, a large, irregular patch on pleura, the

whole of metathorax except lateral and apical margins, most of posterior coxæ, tips of tarsi, first segment of abdomen except extreme base, the second except large spot at base, and the third, fourth and fifth segments except lateral spot, black; metathorax rugose; wings hyaline, iridescent, nervures fuscous, base and apex of stigma luteous; second cubital cell twice longer than broad; apex of femora fuscous; first, second, and base of third segments of abdomen coarsely, longitudinal aciculate, the remainder finely so. Length 2½ lines.

Hab.—Mexico. Prof. Sumichrast.

16. **Aleiodes fulvus**, n. sp.

♀ ♂.—Fulvo-ferruginous, opaque, rugulose; eyes short, ovate, scarcely emarginate within; tips of mandibles, triangular spot covering ocelli, antennæ except basal joint, sutures of thorax, space around scutellum, lateral margin of metathorax, and most of pleura beneath, black; wings subhyaline, iridescent, nervures fuscous; metathorax reticulated and pubescent; two basal segments of abdomen longitudinally rugose, the third aciculate; the three following segments shining, and more or less tinged with fuscous; antennæ of ♀ rather short. The thorax of ♂ is almost entirely black. Length 4 lines.

Hab.—Canada. J. Pettit.

17. **Aleiodes aciculatus**, n. sp.

♀.—Small, fulvo-testaceous or dull honey-yellow, opaque; thorax more or less varied with fuscous; eyes short, almost circular, not emarginate; wings hyaline, iridescent, nervures pale, stigma fuscous; metathorax rugulose; abdomen above longitudinally aciculate, very finely so at tip; legs pale luteous, especially at tips. The ♂ is honey-yellow, with apex of abdomen more or less fuscous. Length 3 lines.

Hab.—Eastern, Middle and Western States. In size and color this species closely resembles *intermedius*, but is at once distinguished by the sculpture of upper surface of abdomen.

18. **Aleiodes burrus**, n. sp.

♀.—Dull ferruginous, opaque; thorax more or less varied with blackish; antennæ very long and slender, sometimes fuscous; eyes as in *fulvus;* wings pale yellowish-hyaline, nervures sometimes testaceous, sometimes fuscous; metathorax rugulose; first, second and base of third segments of abdomen longitudinally rugose or aciculate; the third and following segments shining, and sometimes tinged with fuscous; apex of tarsi black. Antennæ of ♂ black, with a yellowish-white annulus at about the middle, basal joint ferruginous. Length 3½—4½ lin.

Hab.—Conn., Ills., Mexico. The ♀ of this species closely resembles that of *fulvus*, but the antennæ is longer and more slender.

19. Aleiodes Rileyi, n. sp.

♀.—Robust; fulvo-ferruginous; tip of mandibles, and spot within ocelli, black; antennæ fuscous, with a broad yellowish annulus at about the middle, basal joint honey-yellow; eyes elongate, distinctly emarginate within; metathorax rugulose and pubescent, central carina sharply defined and with a short, prominent carina on each side; wings hyaline, iridescent; tips of tarsi black; two basal segments of abdomen longitudinally rugose, central carina sharply defined, the remaining segments smooth and shining. The ♂ is more slender; antennæ entirely black; lateral carinæ of first abdominal segment sharply defined and base of third segment slightly longitudinally aciculate. Length 3½ lines.

Hab.—Missouri. C. V. Riley.

20. Aleiodes femoratus, n. sp.

♀.—Small, slender; opaque luteous, paler beneath; spot within ocelli, base of antennæ, stripe on each side of prothorax, patch beneath wings, basal margin of metathorax, two spots at its apex, and the posterior femora except base and apex, fuscous; antennæ pale, slender, much longer than body, scape robust; eyes large, ovate, black; wings narrow, hyaline, iridescent, faintly clouded, nervures pale, stigma and middle veins pale fuscous; abdomen narrow, fulvous above, the first, second and third except apex, longitudinally aciculate. Length 3½ lines.

Hab.—West Virginia. James Ridings.

21. Aleiodes melleus, n. sp.

♂.—Elongate, slender; entirely pale honey-yellow; legs paler; antennæ long and very slender; eyes large, ovate, black; wings narrow, hyaline, faintly yellowish, nervures pale; abdomen opaque above, the four basal segments indistinctly longitudinally aciculate, with the central carina sharply defined on first three segments. Length 3½ lines.

Hab.—Massachusetts. James Ridings.

22. Aleiodes fusciceps, n. sp.

♀.—Slender; head fuscous, face pale; eyes very large and prominent, black; antennæ luteous, the eight basal joints of flagellum black, (apex wanting); thorax yellowish-white, finely pubescent; lobes of mesothorax prominent; wings hyaline, iridescent, faintly yellowish, nervures pale yellow; legs and abdomen pale honey-yellow, the latter subpetiolate, first and second segments longitudinally aciculate; a prominence at apical middle of first segment; basal suture of third segment crenulated; ovipositor nearly as long as first segment. Length 3½ lines.

Hab.—Mexico. Prof. Sumichrast.